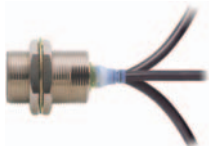
Standard Proximity Sensor

E2E

CSM_E2E_DS_E_11_4

Your Search for Proximity Sensors Starts with the World-leading Performance and Quality of the E2E

- Standard Sensors for detecting ferrous metals.
- Wide array of variations. Ideal for a variety of applications.
- Models with different frequencies are also available to prevent mutual interference.
- Superior environment resistance with standard cable made of oil-resistant PVC and sensing surface made of material that resists cutting oil.
- Useful to help prevent disconnection.
  Cable protector provided as a standard feature.



(Standards do not apply to all models.)

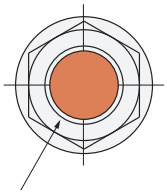
For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

⚠ Be sure to read *Safety Precautions* on page 25.

Features

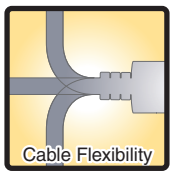
2-Wire Models

Pre-wired Models with Oil-resistant Reinforced PUR Cables Added to the Lineup and Easy Differentiation with Orange Head

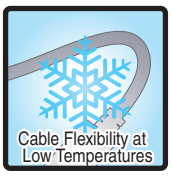


Differentiation from standard models: Orange Head

Oil Resistance (Insulation service life): twice or three times that of oil-resistant vinyl chloride

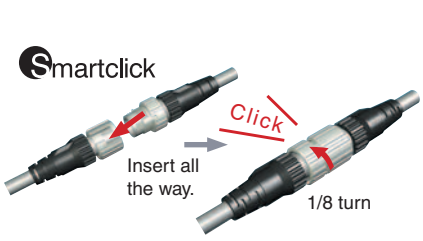


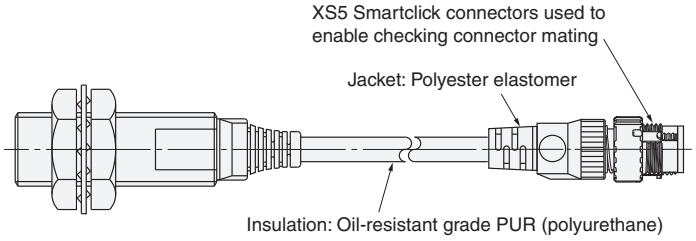
Cable Flexibility: approximately twice that of vinyl chloride cables



More Flexibility at –40°C

Lineup includes models with Smartclick pre-wired connectors for fast connection.





UL-recognized Models Available

Lineup includes models with self-diagnostic output to provide notification of failures and unstable detection conditions, such as coil burnout.

- Contributes to preventive maintenance to keep the line from stopping.

Reduced wiring, fewer resources, and low power consumption contribute to environmentalism.

- Wiring work and amount of copper wire used reduced to two thirds of that required for 3-wire models.
- Current consumption drastically reduced to less than 10% (when a DC 2-wire model is compared with a DC 3-wire model).

3-Wire Models

Wide range of ambient operating temperatures: −40°C to 85°C (M8 to M30 models)

- Suitable for low-temperature and high-temperature applications, which are troublesome for photoelectric sensors.

Lineup includes models with flexible cable (M8 to M30 models)

- Reduced risk of disconnection in applications with moving parts.